

AMENDMENT TO THE CLAIMS

1. (Withdrawn) A method of simulating operation of a media device over a network, comprising:
extracting data from one or more data sources in response to receiving commands from a first server, the first server communicatively coupled to the network;
combining the commands with the data extracted to form an integrated presentation corresponding to an interface for the operation of the media device; and
transferring the integrated presentation to the first server for display on a client coupled to the network.
2. (Withdrawn) The method according to Claim 1, wherein a second server receives the commands, the second server being web-hosted by the first server.
3. (Withdrawn) The method according to Claim 2, wherein the second server instantiates a plurality of objects for encapsulating functions associated with the operation of the media device, the objects comprising programmable interfaces for operating the media device.
4. (Withdrawn) The method according to Claim 3, wherein the operation of the media device is simulated using the programmable interfaces.
5. (Withdrawn) The method according to Claim 2, wherein one of the commands causes the first server to access the second server for receiving the commands.
6. (Withdrawn) The method according to Claim 1, wherein the integrated presentation is transferred in XML format.

7. (Withdrawn) The method according to Claim 1, wherein the data sources comprise databases, the media device, and online services.
8. (Withdrawn) The method according to Claim 1, wherein the data sources comprise broadcast programming guides in an electronic format.
9. (Withdrawn) The method according to Claim 1, wherein the network comprises the Internet.
10. (Withdrawn) The method according to Claim 1, wherein the media device is a digital video recorder.
11. (Withdrawn) The method according to Claim 1, wherein the interface is selected from a group of interfaces consisting of a login interface, a Channel Guide, a Replay Guide, Replay Shows, Replay Channels, Find Shows, and Manual Record.
12. (Withdrawn) The method according to Claim 1, wherein the client comprises a browser.
13. (Original) A method of operating a media device through a web-hosted application, comprising:
 - accessing a first server to launch the web-hosted application, the web-hosted application being capable of communicating with the media device to extract data therefrom;
 - receiving one or more integrated presentations formed by the web-hosted application and sent by the first server in response to accessing the first server, each of the integrated presentations including the data extracted to replicate a corresponding interface of the media device;
 - selecting portions of the interface to initiate one or more commands to operate the media device; and

transmitting the commands to the web-hosted application via the first server.

14. (Original) The method according to Claim 13, comprising: the web-hosted application transmitting the commands received to the media device for operating the media device.
15. (Original) The method according to Claim 13, wherein the web-hosted application instantiates a plurality of objects for encapsulating functions associated with operating the media device, wherein the objects comprise programmable interfaces for operating the media device.
16. (Original) The method according to Claim 15, comprising operating the media device using the programmable interfaces.
17. (Original) The method according to Claim 13, wherein one of the commands causes the first server to access a second server, the web-hosted application running on the second server.
18. (Original) The method according to Claim 13, wherein the integrated presentation is transferred in XML format.
19. (Original) The method according to Claim 13, wherein the integrated presentations are formed by combining the data extracted with additional data received by the web-hosted application from one or more sources of data.
20. (Original) The method according to Claim 19, wherein the sources of data comprise databases and online services.
21. (Original) The method according to Claim 19, wherein the sources of data comprise broadcast programming guides in an electronic format.

22. (Amended) The method according to _____ Claim 13, wherein accessing the first server comprises sending an http request over the Internet to the first server.
23. (Original) The method according to Claim 13, wherein the media device is selected from a group consisting of a digital video recorder, a personal digital assistant, a mobile telephone, and a pager.
24. (Original) The method according to Claim 13, wherein the interface is selected from a group of interfaces consisting of a login interface, a Channel Guide, a Replay Guide, Replay Shows, Replay Channels, Find Shows, and Manual Record.
25. (Original) The method according to Claim 13, wherein the data is extracted periodically.
26. (Original) The method according to Claim 13, wherein the data is extracted on-the-fly.
27. (Currently amended) A method of remote control of at least one media device, comprising:
- maintaining a local representation of pre-existing information and data extracted from a plurality of data sources including the media device;
 - forming an integrated presentation by combining the pre-existing information with the data extracted to simulate a corresponding interface of the at least one media device;
 - transferring the integrated presentation to a network computing system for display on a client in response to receiving an instruction from the client;
 - receiving a command from the client in response to portions of the integrated presentation being selected, the command representing an operation to be performed on the media device;
 - updating the local representation with the command; and

sending the command to the media device to perform the operation on the media device.

28. (Original) The method according to Claim 27, wherein the network computing system comprises at least one web server communicatively coupled to a network, the web server receiving and forwarding the integrated presentation to the client over the network.
29. (Original) The method according to Claim 28, wherein the network comprises the Internet.
30. (Original) The method according to Claim 27, wherein the data sources are selected from a group consisting of databases and online websites.
31. (Original) The method according to Claim 27, wherein the integrated presentation comprises a virtual representation of a user interface associated with the media device.
32. (Original) The method according to Claim 27, wherein maintaining the local representation comprises storing the pre-existing information and the data on a database.
33. (Original) The method according to Claim 27, further comprising:

instantiating a plurality of objects for encapsulating functions associated with the operation of the media device, wherein the objects comprise programmable interfaces for invoking the operation on the media device.
34. (Original) The method according to Claim 33, further comprising sending the command to the media device using the programmable interfaces.
35. (Original) The method according to Claim 27, wherein the integrated presentation is transferred in XML format.

36. (Original) The method according to Claim 27, wherein the data sources comprise broadcast programming guides in an electronic format.
37. (Original) The method according to Claim 27, wherein the media device comprises a digital video recorder.
38. (Original) The method according to Claim 27, wherein the integrated presentation is selected from a group of interfaces consisting of a login interface, a Channel Guide, a Replay Guide, Replay Shows, Replay Channels, Find Shows, and Manual Record.
39. (Original) The method according to Claim 27, wherein the client comprises a browser.
40. (Original) The method according to Claim 27, wherein the local representation is maintained on a periodic basis.
41. (Original) The method according to Claim 27, wherein the local representation is maintained on-the-fly.
42. (Withdrawn) A system, comprising:
 - a first subsystem having one or more media devices distributed in a load-balanced configuration;
 - coupled to the first subsystem, a second subsystem maintaining a virtual representation of one or more user interfaces replicated each of the media devices; and
 - coupled to the second subsystem, a third subsystem displaying the virtual representation and simulating operation of the media devices based on portions of the user interfaces being selected.

43. (Withdrawn) The system according to Claim 42, wherein the user interfaces are replicated periodically.
44. (Withdrawn) The system according to Claim 42, wherein the third subsystem comprises at least one web server communicatively coupled to a network, the web server receiving and forwarding the virtual representation to a client for display over the network.
45. (Withdrawn) The system according to Claim 44, wherein the network comprises the Internet.
46. (Withdrawn) The system according to Claim 44, wherein the second subsystem comprises at least one database, said database storing the virtual representation.
47. (Withdrawn) The system according to Claim 46, wherein the second subsystem comprises a first server and a second server, the first server communicating with the media devices periodically, and the second server forwarding the virtual representation to the client via the a corresponding web server.
48. (Withdrawn) The method according to Claim 44, wherein the client comprises a browser.
49. (Withdrawn) The method according to Claim 42, wherein the media devices each comprises a digital video recorder.
50. (Withdrawn) The method according to Claim 42, wherein the interfaces are selected from a group of interfaces consisting of a login interface, a Channel Guide, a Replay Guide, Replay Shows, Replay Channels, Find Shows, and Manual Record.
51. (Withdrawn) A computer program product for simulating operation of a media device over a network, the computer program product stored on a computer readable medium, and adapted to perform operations, comprising:

extracting data from one or more data sources in response to receiving commands from a first server, the first server communicatively coupled to the network;

combining the commands with the data extracted to form an integrated presentation corresponding to an interface for the operation of the media device; and

transferring the integrated presentation to the first server for display on a client coupled to the network.

52. (Original) A computer program product for operating a media device through a web-hosted application, the computer program product stored on a computer readable medium, and adapted to perform operations, comprising:

accessing a first server to launch the web-hosted application, the web-hosted application being capable of communicating with the media device to extract data therefrom;

receiving one or more integrated presentations formed by the web-hosted application and sent by the first server in response to accessing the first server, each of the integrated presentations including the data extracted to replicate a corresponding interface of the media device;

selecting portions of the interface to initiate one or more commands to operate the media device; and

transmitting the commands to the web-hosted application via the first server.

53. (Currently amended) A computer program product for remote control of at least one media device, the computer program product stored on a computer readable medium, and adapted to perform operations, comprising:

maintaining a local representation of pre-existing information and data extracted from a plurality of data sources including the media device;

forming an integrated presentation by combining the pre-existing information with the data extracted to simulate a corresponding interface of the at least one media device;

transferring the integrated presentation to a network computing system for display on a client in response to receiving an instruction from the client;

receiving a command from the client in response to portions of the integrated presentation being selected, the command representing an operation to be performed on the media device;

updating the local representation with the command; and

sending the command to the media device for performing the operation on the media device.

54. (Currently amended) A computer-implemented method for providing control input to a media-based device through a web hosted application, comprising:

accessing a first server at least one client browser, the first server executing the web hosted application;

the web hosted application accessing a database to obtain display on the browser user interface information received from the media-based device,

displaying on the browser the user interface information to simulate a corresponding interface of the at least one media device;

receiving a user instruction to change the user interface information; and

the first server sending the user instruction to the web hosted application database
for archival and transfer to the media-based device.

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